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| University of bradford |
| Module assessment |
| Requirements document |
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**Introduction –**

The aim of this document would be to discuss the requirements of the system created. The reason the project is going be created is to help course administrators in collecting marks of students at an undergraduate level.

The requirements of the system and will be segregated into three different topics. These topics are going to be the functions, interface and data of the system.

**Functional requirements –**

Listed below are the many different functions that are required from the system.

* **Updating module names** – the client will need to be able to add the module name as well as the types and number of assessments**.**
* **Updating student names** - The client needs to be able to add student names enrolled on that module.
* **Updating student marks** - The client must be able to add student marks for the coursework and exam they are taking. Additional information could be added such as the students email address or the year in which they are undertaking the study.
* **Editing module names** – this means that the module name must have the capability to be edited according to the desire of the client**.**
* **Editing student names –** The client needs to be able to edit the student names if need be or if any amendments are needed.
* **Editing student marks –** the client must be able to amend student marks whether it is for either assessment (coursework/exam).
* **Student display** – the system needs to be able to show a list of all students. This would entail the module they are sitting as well as how many different assessments they will need to complete.
* **Displaying marks** – this is going to create a list of all the names in the module as well as the overall results they have received within that module.
* **Types of assessments** – there will be a set of columns under each table for every module. For each module, there can be 0-1 examinations and 0-2 pieces of coursework. However, when the overall mark for the module is below 40 then the supplementary option should be provided. Due to the time restrictions this is not completed however, if more time was given a drop search bar could be given so that the client was able to select the number of exams and coursework assessments.

A couple of optional functions that I have added to the system because I feel that it would be useful for the client would be:

* **Module suggestions** – this is where when the first letter is added into the module search bar all the modules beginning with the letter typed will be given as a suggestion. Then the client will just need to select the option that they would like.
* **Alphabetical order** – I have also added the fact that all the suggestion for the modules are in alphabetical order meaning that it looks and feels more professional in regards of meeting the clients expectations.

**Non-functional requirements –**

**Availability –** the system is going to be always online and will always be accessible by the staff members that are at the university. This means that they will be able to update and edit information into the database around the clock.

**Confidentiality –** Because the system does not have a login page that means that it is a lot less time consuming meaning this does not do in favours according to the confidentiality. The reason for this would be that any lectures would be able to access any modules and see the grades that each student has received whether it be for the coursework they have submitted, examinations that they have completed or the grade for the supplementary assessment. In the future, if this is a problem a register and login page can be added meaning that lectures will only be able to see the grades of the students that they are undertaking.

**Usability –** I have made sure that the system is simple and very easy to use. This means that it will be very easy for the user to learn and operate the system. It should also be very clear that the input could interpret the output.

**Interface requirements –**

The interface that the client has asked for would be that it must be electronic. The main three web browsers that I have made sure that they website will work on would be Firefox, google chrome and internet explorer. So far, the website will only be available on PC and laptop. The next step would be trying to get the correct format meaning it would be accessible on other technological devices such as mobile phones. The website should be able to be accessed from the desktop homepage just so that it will be not as time consuming.

There is no login system for the client that means that the webpage will load up straight away and each lecture will be able to access the tables. Therefore, people will be able to get onto the system without having to gain access to usernames and passwords. A drawback would be that there is not any security and anybody will be able to access the system.

There will need to be a selection of buttons available for the client to use. These buttons are going to be labelled update and edit. This is so that they can add name of modules and students as well as editing all the data they are adding to the system. Lectures also need to make sure that they are able to edit and uploads the marks for each individual student attending the module.

**Data –**

Judging by the specification that has been given to me, I can assume that the project will need to be able to add and edit modules into the system. This means that module names, leaders as well as the code should be added onto the system. For example the database will show:

* The module code (CM-0113L)
* A module name (electronic business)
* A module leader (Marian Gheorghe)
* The assessment type (Exam/Coursework)
* Number of assessments the student will be partaking in (1-4).

The next main section that will be added to the database would be a database containing all the students. This means that the client will be able to add details about the student. Some of these details would be:

* The module code so that the client will be able to see which module the student is studying.
* The student ID will be the university badge number for example 15011284
* Students first name
* Students last name
* An overall mark that will be given as a percentage for the mark that they have received for that module which will be out of 100.

Once the client is on the website they can input al of the information that they wish in the highlighted boxes. Once they have completed and filled in all of the boxes they will be able to submit the new entry. This will go to a new page saying that the submission was successful. Then once on the PHP database they will be able to remove and edit the additions that they have added to the database. This means that anything that has been updated onto the system can also be edited of removed which was a requirement of the system.